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CLAIMS

1. A disc cartridge, comprising:

5 a cartridge body including a disc housing section
for housing a disc so as to be rotatable, which is provided
with an opening for exposing a part of the disc;

a shutter member which is movable to open or close
the opening;

-10 a shutter driving spring for applying a force to the
shutter member not to open the opening; and

a locking portion for locking the shutter member.

15 2. A disc cartridge according to claim 1, wherein the locking
portion is locked using the shutter driving spring.

3. A disc cartridge according to claim 1, wherein:

the cartridge body includes a first case and a second
case; and

20 the first case and the second case are integrally
combined to form a disc housing section.

25 4. A disc cartridge according to claim 1, wherein the
cartridge body is provided with positioning holes for
defining the position of the disc cartridge with respect
to a disc drive apparatus for driving the disc when the disc
cartridge is mounted to the disc driving apparatus.

5. A disc cartridge according to claim 4, wherein:

30 the cartridge body includes a first case and a second
case;

the first case and the second case are integrally
combined to form a disc housing section; and

the positioning holes are provided so as not to

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penetrate the first case and the second case.

6. A disc cartridge according to claim 2, wherein:

5 the shutter member includes a spring engagement
portion to be engaged with the shutter driving spring; and
the shutter member and the shutter driving spring
10 slide in the spring engagement portion at a substantially
right angle with respect to a direction of a movement of
the shutter member in a closing state in which the shutter
member closes the opening.

7. A disc cartridge according to claim 2, wherein the
cartridge body is provided with a lock recessed portion to
15 which the shutter driving spring is engaged at a substantially
right angle with respect to a direction of the movement of
the shutter member in a closing state in which the shutter
member closes the opening.

8. A disc cartridge according to claim 2, wherein:
20 a recessed-shape guide groove portion which is opened
to the outside of the cartridge body is provided on a side
surface of the cartridge body to be engaged with the shutter
member; and
one end of the shutter driving spring moves along
25 the guide groove portion.

9. A disc cartridge according to claim 8, wherein an inclined
surface for movement of the one end of the shutter driving
spring to the lock recessed portion is provided on a surface
30 of the spring engagement section to abut the one end of the
shutter driving spring.

10. A disc cartridge according to claim 3, wherein:

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the first case is provided with an upper engagement groove for guiding the movement of the shutter member and holding the shutter member; and

5 the second case is provided with a lower engagement groove for guiding the movement of the shutter member and holding the shutter member.

10 11. A disc cartridge according to claim 10, wherein the shutter member is provided with an upper engagement protruded portion to be engaged with the upper engagement groove, and a lower engagement protruded portion to be engaged with the lower engagement groove.

15 12. A disc cartridge according to claim 11, wherein the lower engagement groove is provided so as to be spaced apart from the opening by a predetermined distance.

13. A disc cartridge according to claim 3, wherein:
20 a bridging portion for bridging an outer periphery portion of the opening is provided in the second case;
the bridging portion has a lower surface substantially coplanar to a surface of the disc when a disc drive apparatus for driving the disc drives the disc and an upper surface which is a surface coplanar to a surface
25 of the opening close to an edge of the cartridge body and is extended in a direction of closing the shutter member;
a side surface of the first case is provided with a notch; and
the notch of the first case and the upper surface
30 of the bridging portion form a groove.

14. A disc cartridge according to claim 3, wherein:
the second case is provided with an opening range

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restriction portion for restricting an opening area of the shutter member;

5 a major surface of the second case to be mounted on a disc drive apparatus for driving the disc is provided with planar holding portions recessed from the major surface in the vicinity of corners to which the shutter member is engaged which opposes the open area restriction portion via the opening.

10 15. A disc cartridge according to claim 1, further comprising a lock release portion for releasing the lock of the locking member.

15 16. A disc cartridge according to claim 15, wherein the lock release portion is in contact with the shutter driving spring.

20 17. A disc cartridge according to claim 15, wherein the lock release portion comprises a pressed portion to be pressed by a disc drive apparatus for driving the disc, and the lock release portion is provided so as to be movable in a direction that the shutter member opens or closes the opening.

25 18. A disc cartridge according to claim 15, wherein the lock release portion enters a lock released state by pressing the pressed portion with the shutter member closed and locked, and then moves with the shutter member to the opening position integrally with the shutter member.

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